skeye.

skeye.e-motion
HW 90400

Version 1.02

User Guide

HÖFT & WESSEL

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1. Introduction

The shock- and dirt resistant skeye.e-motion supports all applications in field services and logistics. Due to protection class IP45 (dust and humidity) and the fall protection (1.20 m) the skeye.e-motion can also be used in demanding environments.

The multi-functional device is equipped with a powerful Marvell PXA 320 @ 806 MHz processor as well as a 256 MD DDR-RAM and up to 512 MB flash memory. Due to the Windows Embedded CE 6.0 operating system, the flexible terminal can be easily integrated into existing IT infrastructures. The big 5.7" VGA TFT screen can display even complex data and diagrams in easy-to-read fashion. A brightness sensor automatically adjusts the sunlight readable display to changing light conditions and so ensures prefect readability at all times.

Data transmission is in real-time using e.g. UMTS or WLAN. The GPS module is also capable for use in navigation and for locating vehicles. Mobile phone use via GSM is made safe and convenient by the vehicle mounting kit with hands-free capability.

1.1 Document Information

Product:	skeye.e-motion
Type of Document:	User Guide
Version:	1.02
Date:	20.04.2012
Author:	Lin Höft & Wessel AG, Hannover

1.2 Amendment Index

Version:	Changes:	Date:	By:
01.00	Translation	22.03.2010	GH
01.01	Correction of GPS baud rate/port	11.05.2010	Lin
01.02	Corrections; new chapter 7.5	20.04.2012	Lin

1.3 Terminology

skeye.e-motion HW 90400	Portable Data Terminal (in the following referred as "mobile terminal")
Battery HW 19400	The mobile terminal is supplied by a rechargeable lithium-ion battery.
USB cradle HW 51400	Cradle with USB interface for the mobile terminal.
Power supply unit HW 1430	Wide range switched mode power supply unit to provide the mobile terminal and the USB cradle with power.
Car cradle HW 51400	For installation of the skeye.e-motion in vehicles and for charging of the battery.

1.4 Readership

The documentation is intended for people operating the **skeye.**e-motion.

1.5 Intended Use

The skeye.e-motion has been designed for use in the commercial sector and for acquiring and transferring data within buildings or vehicles or outside under moderate climate conditions.

The skeye.e-motion is not intended for distribution to private households.

Please pay attention to the information of this user guide, especially the safety notes. Intended use means that the device must only be used and operated in accordance with the information contained herein. Any other use is not an intended use and may lead to property damage or even personal injury. Höft & Wessel does not accept any liability for damages caused by a usage other than the intended usage.

1.6 Safety Notes

Carefully read and follow the user manual and the safety information mentioned in this chapter before performing further steps. You have to:

- read
- keep the information in mind during work.

This is the precondition for

- secure working with the product
- undisturbed handling

1.6.1 General Safety Notes

Transport and Storage:

- The device must only be shipped in original or comparable robust packaging. Shipping the device e.g. in a normal padded bag does not provide sufficient impact and pressure protection.
  Such improper packaging would fall under the definition of the term Negligence.

Handling:

- Never expose the skeye.emotion to very high temperatures for a long time.
- Never insert any objects not intended for use with this device in the instrument's openings. This might damage the device.

Operating:

- Do not dip the skeye.e-motion into fluid.
- Only use your skeye.e-motion with original equipment. Non-compliance voids the warranty.
- Do not operate your skeye.e-motion when you are in explosive areas, for instance in petrol stations, fuel depots, chemical plants, below deck in ships, near blasting operations, in locations where a large volume of dust particles (such as flour, wood

or metal) is present in the air, etc.
We recommend to switch off the device completely. This also applies to places where you are usually advised to switch off your vehicle motor.

- Do not operate in close range of strong electromagnetic fields. Failures may be caused.
- Interference may be noticed near electric devices. Therefore, always pay attention to local safety regulations.
- Users with hearings aids must note that radio signals of electronic devices (with radio equipment) may launch into hearing devices causing an unpleasant noise.

Maintenance, Service and disturbances:

- The skeye.e-motion is – apart from charging of battery and the mentioned comments – lifetime maintenance-free and does not need special care.
- Do not try to open, repair or modify your skeye.e-motion. The manufacturer will not be liable for any damage caused in that way. Apart from other things, the function for correctly charging the battery may be influenced. As a result, excessive charging voltage, uncontrolled charging and discharge current, leakage of harmful substances, excessive heat generation, bursting or fire may occur.
- Any tampering by non-authorised persons will invalidate the warranty.
- If your skeye.e-motion needs to be repaired or maintained, please contact your specialised dealer.
- Clean the housing only with damp cloth and mild detergent.

1.6.2 Safety Notes for the Lithium-Ion Battery

Carefully read the following safety notes to prevent an incorrect handling of the battery and to avoid possible dangers.

Non-observance of the safety information or incorrect use of the battery can lead to excessive current flow, to the discharge of harmful substances, excessive heat development, explosion or fire.

Transportation and storage:

- Do not transport or store the battery together with metal objects such as necklaces, hairpins, etc. Doing so may short circuit the battery, which could result in excessive current flow and possibly cause leakage of battery fluid, heat generation, bursting or fire. When carrying or storing batteries, use an electrically nonconductive (insulated) case.
- When the equipment is expected not to be used for a long time do not store the batteries exceeding the appropriate conditions as listed below. Otherwise its performance will be degraded and its service life will be decreased.
  - when the batteries are discharged and remain in the equipment: 1 week
  - when the batteries are fully charged and remain in the switched off equipment: 1 month
  - long-term storage: see next note.
- When the battery is expected not to be used for a long time, take the battery out of the equipment and store it in a dry place at or below room temperature. For an optimum service life, the battery should be charged up to 20 to 40% when being stored. After 12 months at the latest the device should be charged and

subsequently discharged. Otherwise, its performance will be degenerate and its service life will be decreased.

- The storage temperature must not be below –20 or above +50°C.

Ambient conditions:

- The temperature may not be outside the admissible operating and storage temperature range of -20 to +50 degrees centigrade. The temperature may be within the range of 0 °C to +40 °C during charging.
- Do not discard the battery into fire and do not leave it in a hot place such as near a fire or on a heater. Doing so melt the insulation, damage the sealing parts or protective devices, cause leakage of battery fluid (Electrolyte) from the batteries, bursting or fire.
- Do not immerse batteries in water or seawater, and do not allow them to become wet. Batteries which have become wet must always be replaced with new ones because internal short-circuits can cause dangerous heat emissions if further used.
- Do not throw batteries, and do not allow them to fall on hard surfaces.

Connection:

- Do not connect the battery to an electrical outlet, e.g. vehicle cigarette lighter, power outlets, other power supply units, other charger, etc.
- Do not reverse the positive (+) and negative (-) terminals when inserting the battery. Since the mechanical design of the battery enables you to insert in one direction only, the battery must not be inserted into the opposite direction by force.

Handling:

- Protective devices to prevent danger are built into the battery. To ensure for a proper operation, do not disassemble the battery or modify parts of it. If they are damaged, this could result in excessive charging voltage, control loss during charging or discharging, leakage of battery fluid, heat generation, bursting or fire.
- Do not disassemble Li-ion bare cells of the battery. There is the danger of flammable fluid being spilt. It may also cause an internal or external short circuit, leakage of battery fluid, heat generation, bursting or fire.
- Do not directly solder the battery. Doing so melt the insulation, damage the sealing parts or protective devices, cause leakage of battery fluid (Electrolyte) from the batteries, bursting or fire.
- Do not short-circuit the battery by directly connecting the positive (+) and negative (-) terminals with objects such as wire. Short circuiting generates heat which may damage the equipment. In the worst case this could result in leakage of battery fluid, bursting or fire.
- Do not put the battery into a microwave oven or pressurised container. This could result in leakage of battery fluid, bursting or fire.
- Do not pierce the battery with a nail or other sharp object, hit it with a hammer, or step on it. This could result in leakage of battery fluid, bursting or fire.

Operation:

- For operation of the device use the delivered battery only. Please use the battery only for the determined purpose.

- Do not use the battery in any device other than those specified in this manual. Depending on the device being used, doing so may cause abnormal current flow, leakage of battery fluid, heat generation, bursting or fire.
- If the battery becomes discolored or deformed, or in any way appears abnormal, stop using it. Return it to the distributor or manufacturer from whom you purchased it.
- Do not use or leave the battery in very high temperatures (for example, under strong direct sunlight). Otherwise, it may cause leakage of battery fluid, bursting or fire or its performance will be degenerate and its service life will be decreased.
- To ensure safety, the battery incorporates built-in safety devices. Do not use it in a location where static electricity is greater than what the manufacturer guarantees. Otherwise, the safety devices may be damaged, causing leakage of battery fluid, expose of fire.
- Do not use the battery in other than the following conditions. Otherwise, it can overheat or fire, or its performance will be degenerate and its service life will be decreased.
  - when the battery is charged: 0 °C ~ +40 °C
  - when the battery is stored: -20 °C ~ +50 °C

  Note: higher temperatures increase the self-discharge of the battery.
- Do not connect different assembled batteries together. And also do not connect same assembled batteries in series, unless explicitly instructed by the user information to do so.

Charging:

- When recharging, only use the battery charger specially provided by Skeye. Failure to follow proper charging procedures may cause excessive voltage, excessive current flow, loss of control during charging, leakage of battery fluid, heat generation, bursting, or fire.
- Do not use or charge the battery near a heat source such as fire or heater or in extremely hot weather.
- Do not charge a battery when it is cold (below 0 °C). This may cause impaired performance and shortening of battery service life.
- If a battery is to be used for the first time or it has not been used for a long time, be sure to charge it.

Health hazards:

- If a battery leaks, and the electrolyte enters the eye, do not rub but rinse out thoroughly under flowing water and then seek medical assistance. Otherwise, eye damage can result.
- If a battery leaks and the electrolyte makes contact with clothing or the skin, the skin or clothing must be rinsed out under flowing water in order to prevent damage to the skin.

Maintenance, service and disturbances:

- Lithium-ion batteries have a predetermined operating life. If the operating time shortens excessively, this means that the battery life has expired. If it comes to that point, stop use immediately and replace with new batteries.

Old batteries as well as device storage batteries must not be disposed of with your household waste. Consumers are obliged to return batteries to a suitable collection point (trade, municipality). Device batteries can be returned to Höft & Wessel after use at no cost as well. Old batteries may contain heavy metals or harmful substances that may cause damage to environment and health. Batteries are reusable. They contain important raw materials like iron, zinc, manganese, and nickel.

Höft & Wessel (see address on last page) guarantees that all batteries returned are fed to the recycling process.

See also the extract from the **BattG** (act concerning the placing on the market, collection and environmentally compatible waste management of batteries and accumulators) of 25.06.2009.
According to §9, section 1, sentence 1, manufacturers are obliged to take back batteries that have been handed in by distributors or public disposal departments (here, device batteries registered according to §13, sentence 1) free of charge and to treat and recycle them according to §14. Batteries that cannot be treated and recycled shall be disposed of according to §14.

- If Lithium-ion batteries are not fully charged after the battery charger's predetermined charging period has elapsed, stop the charging process. Prolonged charging may cause leakage of battery fluid, heat generation or bursting of fire.
- If the battery leaks or gives off a bad odor, remove it from any exposed flame. Otherwise, the leaking electrolyte may catch fire, and the battery may explode or fire.
- If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appears abnormal during use, recharching or storage, immediately remove it from the device or battery charger and stop using it.
- In case the battery terminals are dirty, clean the terminals with a dry cloth before use, otherwise, the contact with equipment may cause insufficiency, and power failure or charge failure.

1.6.3 Safety Notes on the USB cradle / car cradle

- The battery may only be charged with the battery charging device recommended by the manufacturer. The utilisation of another battery charger might be dangerous and leads to an end of the warranty.
- Do not try to open, repair or modify your device. The manufacturer will not be liable for any damage caused in that way. Apart from other things, the function for correctly charging the battery may be influenced. As a result, excessive charging voltage, uncontrolled charging and discharge current, leakage of harmful substances, excessive heat generation, bursting or fire may occur.
- If the USB cradle/car cradle changes shape or colour, generates heat or in any way appears abnormal stop using it. Return it to the distributor or manufacturer from whom you purchased the USB cradle/car cradle.
- Use the USB cradle/car cradle only with the supplied power supply. The main voltage must correspond to the technical data mentioned on the power supply.
- Use the USB cradle/car cradle only in dry, closed rooms and not in direct sunlight, e.g. behind windows.
- Keep the device out of the reach of small children.

1.6.4 Safety Notes on the Power Supply

- Do not try to open and/or repair and/or alter the power supply. The manufacturer will not be liable for any damage caused in that way.
- Always connect the power cable into an easy accessible wall outlet.
- Always connect the power cable to the device before plugging it into the wall outlet. Make sure that you do not insert the power cord into the headset plug by mistake.
- Check that the plug is clean and dry before plugging it in.
- Do not place any objects on top of the cord.
- Do not place the cord near heating equipment.
- Do not connect cables other than those specified in this manual. Doing so may result in fire or improper operation.
- Do not use a damaged cord.
- Handle the power cord with care. Improper handling may lead to fire or shock.
- Avoid excessive bending, twisting, and pulling of the cord.
- When disconnecting the power cable, hold the plug firmly. Do not tug on the cord itself.
- Use power supply and power cable only in dry rooms.

1.6.5 Safety Notes on the Imager with LED Aimer (optional)

If your skeye.e-motion is equipped with an imager module with integrated LED aimer, please observe the following notes:

The LED light source is classified as a class 1 LED according to the following standard: IEC60825-1 ED 1.2:2001.

A class 1 LED is presumed to be safe under reasonably foreseeable conditions of operation. Even looking directly into the light beam by accident does not do any harm.

Caution: When changing the settings of the imager/aimer module except for those described in the user guide the LED radiation may exceed the harmless area of class 1.

1.6.6 Safety Notes on GSM/GPRS/EDGE/UMTS/HSDPA

A GSM/GPRS/EDGE/UMTS/HSDPA communication can be realised in the skeye.e-motion via an integrated module. If your device features such equipment pay attention to the safety notes.

Radio devices (such as GSM) are subject to certain restrictions when used in proximity to electronic instruments:

When being in an aircraft completely power off your skeye.e-motion (see chapter 3.4.2.). Using the skeye.e-motion in an aircraft interferes with the electronic equipment on board and might be dangerous. Please follow the instructions of the particular airline.

- Switch off your skeye.e-motion in hospitals or similar places to prevent an interference with medical devices.
- Switch off your skeye.e-motion (see chapter 3.4.2) at places where you are advised to switch off your mobile phone.
- The unit may affect heart pacemakers.
  The Federal Office for Radiation Protection recommends a distance of no less than 20 cm between a mobile phone and a heart pacemaker to ensure no interference takes place. This recommendation is also in line with studies and recommendations issued by independent institutes.
  Users with heart pacemakers must ensure a distance of at least 20 cm between the skeye.e-motion and the heart pacemaker.
- The unit may affect hearing aids.
- Interference may be noticed in close proximity to televisions, radios, PCs.

1.6.7 Safety Notes on Wireless LAN/Bluetooth

A Wireless LAN- or Bluetooth-communication can be realised using an integrated module. If your skeye.e-motion is equipped with a WiFI-/Bluetooth-module, please pay attention to the safety notes.

Radio facilities – as well as Wireless LAN and Bluetooth - are subject to certain restrictions during use near electronical devices. In this connection please read the safety notes of the previous chapter.

Wireless LAN data communication and Bluetooth can be easily intercepted and recorded. Secure your network against unauthorised intrusion into the WLAN. We recommend that you consult a specialist (e.g. a system house).

1.6.8 Safety Notes on GPS

Safety note for use in vehicles: Do not operate your navigation system while driving. Note that there may be different regulations for using such devices within vehicles in other countries. Please observe the respective regulations.

GPS performance gets influenced if the area covered by satellites is near high buildings, in a tunnel or below roofs.

1.6.9 Safety Notes on Data Loss

- It is very much recommended that all important data be backed up as durable hardcopy. It is very much recommended to store all recorded data to flash disk and to regularly back up the data on an external medium.
  Given certain conditions, loss or modification of data can occur in practically any electronic storage system. Therefore, we do not accept any liability for loss of data or data being otherwise rendered unusable following incorrect use, repairs, faults, battery problems, software errors or for any other reason.

  We shall not be held liable either directly or indirectly for any financial loss or third party compensation claims which arise on foot of the use of this product and all and any of its functions, such as stolen credit card numbers, loss or modification of data, etc.

1.7 Disposal

The skeye.e-motion is not intended for use in private households. The device must not be disposed of via a public waste disposal system. For disposal, return the device to the Höft & Wessel AG.

1.8 Explanations on this Manual

The User Manual is designed to enable you to get your skeye.e-motion up and running quickly and is structured as follows:

- Introduction
- Taking into operation
- Software
- Communication/Data exchange
- Troubleshooting

It is assumed that your are familiar with Microsoft Windows 2000, Windows XP, Vista or Windows 7.
In case of problems refer to the corresponding Microsoft documentation.

The skeye.e-motion supports the operating system Windows CE 6.0.

1.8.1 Note Pictograms

Safety notes in the text are always illustrated in the same way.
In this manual three different safety notes are used.

NOTE!

A note points out tips on simplified use of the system / device for example by describing a simplified workflow using a certain tool.

CAUTION!

A CAUTION warning sign points out potential dangers relating to the equipment (i.e. short circuit) or loss of data.

WARNING!

The WARNING sign draws the user's attention to potential dangers that could be harmful to the health/life of the user (i.e. electric shock) or seriously damage the equipment (the equipment could be destroyed).

Further Symbol:

Indicates an alternative method to complete a task or additional information on a topic.

1.8.2 Registered Trademark

The following terms and names used in this manual are registered trademarks and products of the corresponding companies:

- Microsoft®, Windows®, Windows NT®, Windows^{XP}, Windows CE®, Windows CE.NET®, Windows® Embedded CE 6.0 and ActiveSync® are registered trademarks of the Microsoft Corporation, USA.
- Other product and company names may be trademarks of other companies.

All trademarks mentioned and possibly protected by third parties are subjected to the ownership of the corresponding registered owners.

2. skeye.e-motion

2.1 Views

2.1.1 Front View

Fig. 1: Front view and key assignment

2.1.2 Side View

Fig. 2: Upper side

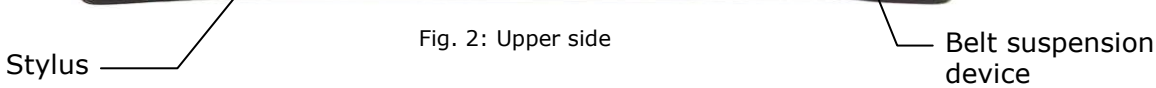
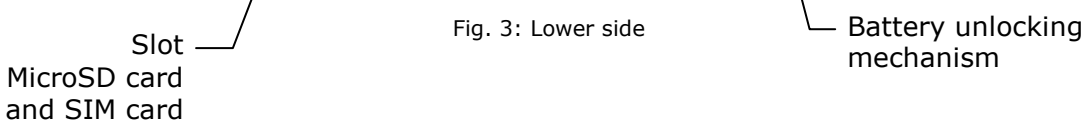


Fig. 3: Lower side



2.1.3 Rear View

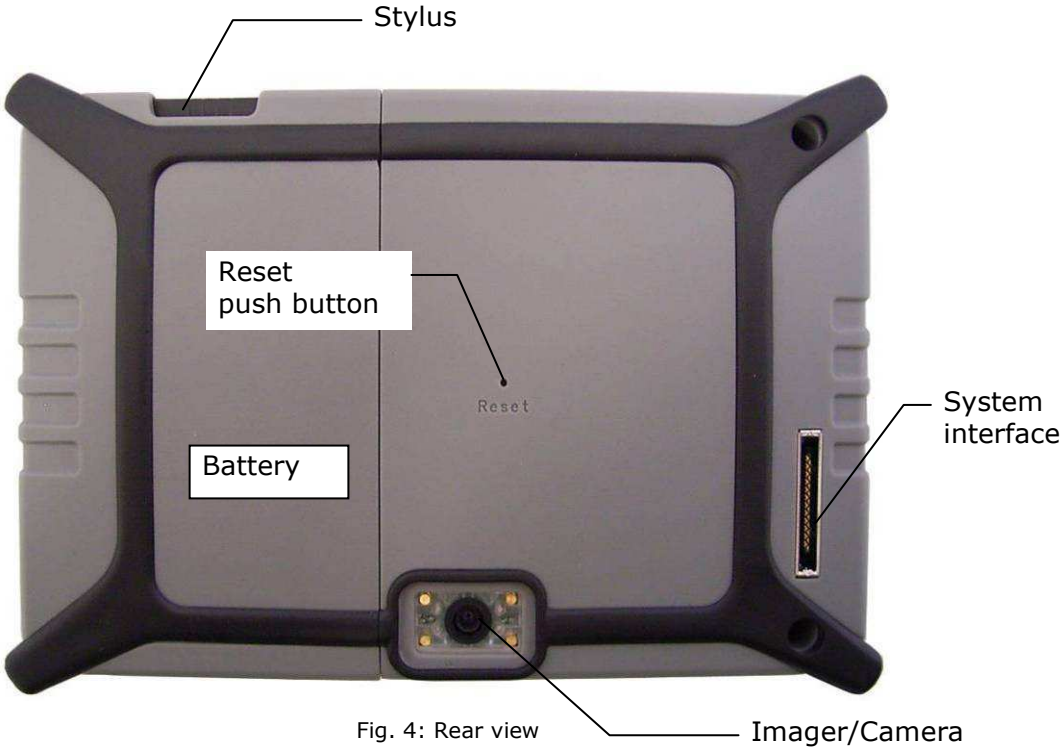


Fig. 4: Rear view

2.2 Accessories

- Battery
- Power supply unit
- Cigarette lighter adapter

2.3 Cradle

- USB cradle HW 51400 (incl. desktop holder, power supply unit and USB cable)
- Car cradle HW 51400 (incl. car cable set)

2.4 Hardware equipment

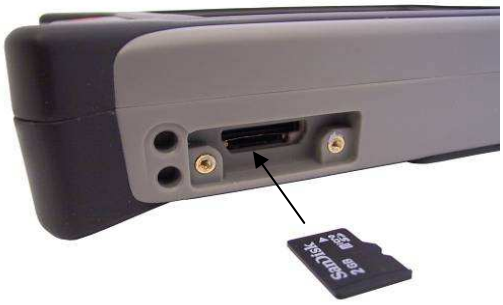
- GSM/GPRS/EDGE/UMTS/HSDPA (3.5G) module
- GPS module
- camera 2 MP ***or*** 2D-Imager (with LED-Aimer)
- Video input for rear view camera connection
- WLAN module 802.11b/g
- Bluetooth
- SIM card slot
- MicroSD card slot

3. Taking into Operation

3.1 Inserting the Micro SD Card

A Micro SD card as well as a MicroSDHC card can be used as storage medium.

- Loosen the 2 Torx screws (O) of the card lid (TX 6).



- Insert the MicroSD card into the **lower** shaft for MircroSD cards as shown in the figure.

- Lock the MicroSD card by deeply pressing it into the shaft until it audibly engages (push-push function).
- To **remove** the MicroSD card, you first have to push the card a bit further into the device. Due to the push-push function, the card jumps out a bit and can then be removed.
- Then, fix the lid.

Fig. 5: Inserting a micro SD card

3.2 Insertions of the SIM card

The SIM card necessary for the /GPRS/EDGE/UMTS/HSDPA function is inserted into the designated slot under the battery.

- Loosen the Torx screws (O) of the card lid (TX 6).

- Insert the MicroSD card into the **upper** shaft for SIM cards.

- Lock the SIM card by deeply pressing it into the shaft until it audibly engages (push-push function).
- To **remove** the SIM card, push the card a little bit further into the device. Due to the push-push function, the card jumps out a bit and can then be removed.
- Then, fix the lid.

Fig. 6: Inserting a SIM card

3.3 Battery

The mobile terminal comes with a separate battery.

3.3.1 Inserting the Battery

There is only one way to insert the battery.

Place the battery onto the device near the unlocking button.

Now, push the battery along the guide support towards the contacts until it audibly engages.

This figure shows a correctly inserted battery.

Fig. 7: inserting the battery

Prior to initial operation the battery should be charged completely. To do so, insert the mobile terminal including battery into the USB cradle (connected to power) or car cradle.

Fig. 8: Mobile terminal in USB cradle

3.3.2 Replacing the Battery

1. Back up your data before changing the battery.

2. Switch off the device before changing the battery.

Fig. 9: Changing the battery

Turn around the device.

Press down the battery locking and keep it pressed. Then, push the battery forward with the thumb of your right hand.

As soon as the battery becomes loose it can be removed.

3.3.3 Charging the Battery

The battery is automatically charged inside the skeye.e-motion if your mobile terminal is placed into an USB or car cradle supplied with power.

The Systray displays one of the following symbols:

Battery is charging

The battery is below the first voltage level.

The battery is below the second voltage level.

There is an external power supply but the battery is not charged (full battery)

Always recharge the battery in time. If the battery is discharged data loss may occur.

3.4 Switching-on/Switching-off the skeye.e-motion

3.4.1 Switching-on

Use the round button on the left to swich the device on or off.

Fig. 10: Switch-on/switch-off the device

3.4.2 Switching-off the skeye.e-motion

There are three ways to switch off your skeye.e-motion:

- Suspend mode (Standby)
- Automatic Standby
- Complete Power Off by Removing the Battery

3.4.2.1 Suspend Mode (Standby Mode)

Suspending a device means that it is inactive and thus consumes less power. A suspended skeye.e-motion can be activated any time.

While suspending information in the RAM of the skeye.e-motion is maintained. If the power supply is interrupted e.g. due to a discharged battery, information in the RAM gets lost.

It is thus recommended that you store all current data in the flash or on Micro SD card prior to suspending the skeye.e-motion (Standby Mode).

Suspending the skeye.e-motion:

1. Tap [Start] in the task bar.
   *The **Start** menu opens up.*

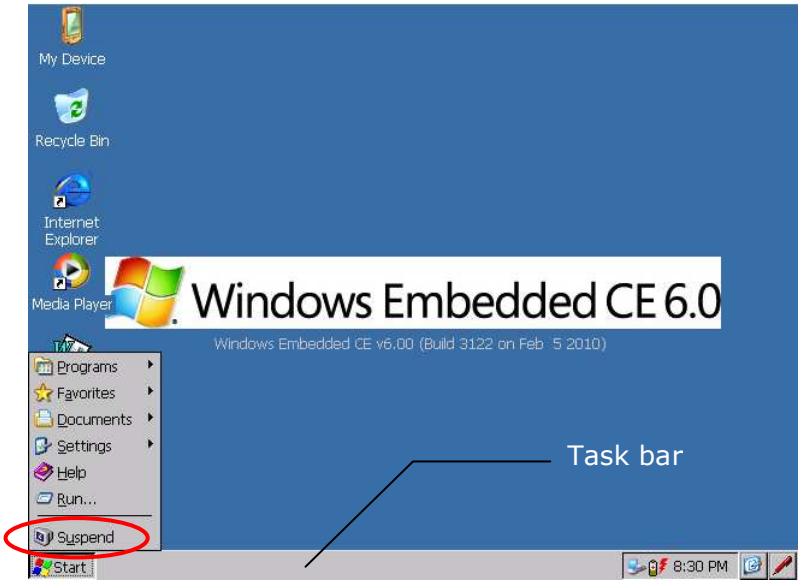


Fig. 11: Start menu

2. Tap **Suspend**.

The skeye.e-motion will be suspended in its current state. All open windows, documents, workbooks etc. are not closed but maintained in the working memory.

The skeye.e-motion is suspended (Standby Mode).

When you switch on the device via the round scan key in the middle again, the system returns to the last status as long as the power supply has not been interrupted e.g. due to an empty battery.

3.4.2.2 Automatic Standby – Power Supply

Use the Power Supply function to save battery life. If you do not operate the unit for a certain time e.g. the display will be dimmed or the unit is set to suspend mode.

1. Launch: Start ⇒ Settings ⇒ Control Panel.
   The Control Panel menu appears.
2. In the **Control Panel** menu double tap **Power**.
   The Power Properties window appears.
3. Select the **Schemes** tab.

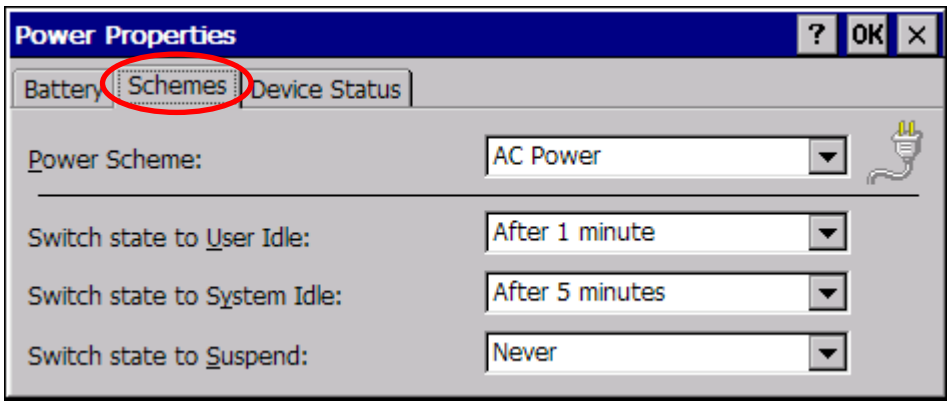


Fig. 12: Automatic power off

4. Perform the desired settings.

   The entered times are added up.
   (Example: after 1 min user idle, after 5 min system idle)
5. Click [OK] to confirm the changes.
6. Close the **Control Panel** menu.

   See also chapter 4.2.7.2.

3.4.2.3 Complete Power Off by Removing the Battery

Completely power off your skeye.e-motion in the following situations:

- if you do not operate your skeye.e-motion for a longer period of time (battery saving)
- when entering an aircraft.
- in explosive areas
- for shipping the skeye.e-motion

Removing the battery will delete the RAM after a while. In this case, all data in the RAM e.g. installed programs, settings or stored files are lost!

Time data is maintained in the RAM in case of a completely charged buffer (required charging time: about 10 s) in case of a HW 90400 with 128 MB DDR-RAM **about 30 s** (time required for battery change).

If the buffer is not completely charged, the time decreases correspondingly.

We recommend before removing the battery:

1. **Save data first.**
2. **Suspend the skeye.e-motion. Then wait for about 10 sec. Only then the RAM is sustained.**
3. **At last, remove the battery.**

4. Initial Steps

1. Insert the battery (see chapter 3.3.2).
2. Switch on the skeye.e-motion by pressing the On button (top left).
3. Take out the stylus (see next figure).

4.1 Operating the skeye.e-motion with the Stylus

The stylus functions as a computer mouse. It is used to navigate on the screen and to select elements.

Remove the stylus from its clamp and put it back when you do not need it.

Operate the touch screen only with the stylus supplied or your finger.

- **Tapping**
  Tap the screen with the stylus once to open elements and to select options.
- **Dragging**
  On screen, keep the stylus pressed and drag it over the screen to select text and pictures. Move the stylus to a list to select several elements.
- **Double-tap**
  A double-tap is the same as double-clicking the mouse.
- **Tap and hold**
  Tap on an element and keep the stylus pressed onto the screen to display a list of actions for the element. In a context menu, select the action to be performed.
- **Tapping (close menu)**
  To close a menu (e.g. the start menu) tap a free space on the desktop.

4.2 Microsoft Windows CE – Basics

This mobile terminal supports the following Windows CE version: **Windows Embedded CE 6.0** (copy deadline, subject to changes).

4.2.1 Start Screen

Apart from the application program the Mobile Terminal features the Windows CE surface. The following figure shows the standard Windows CE workspace which may vary.

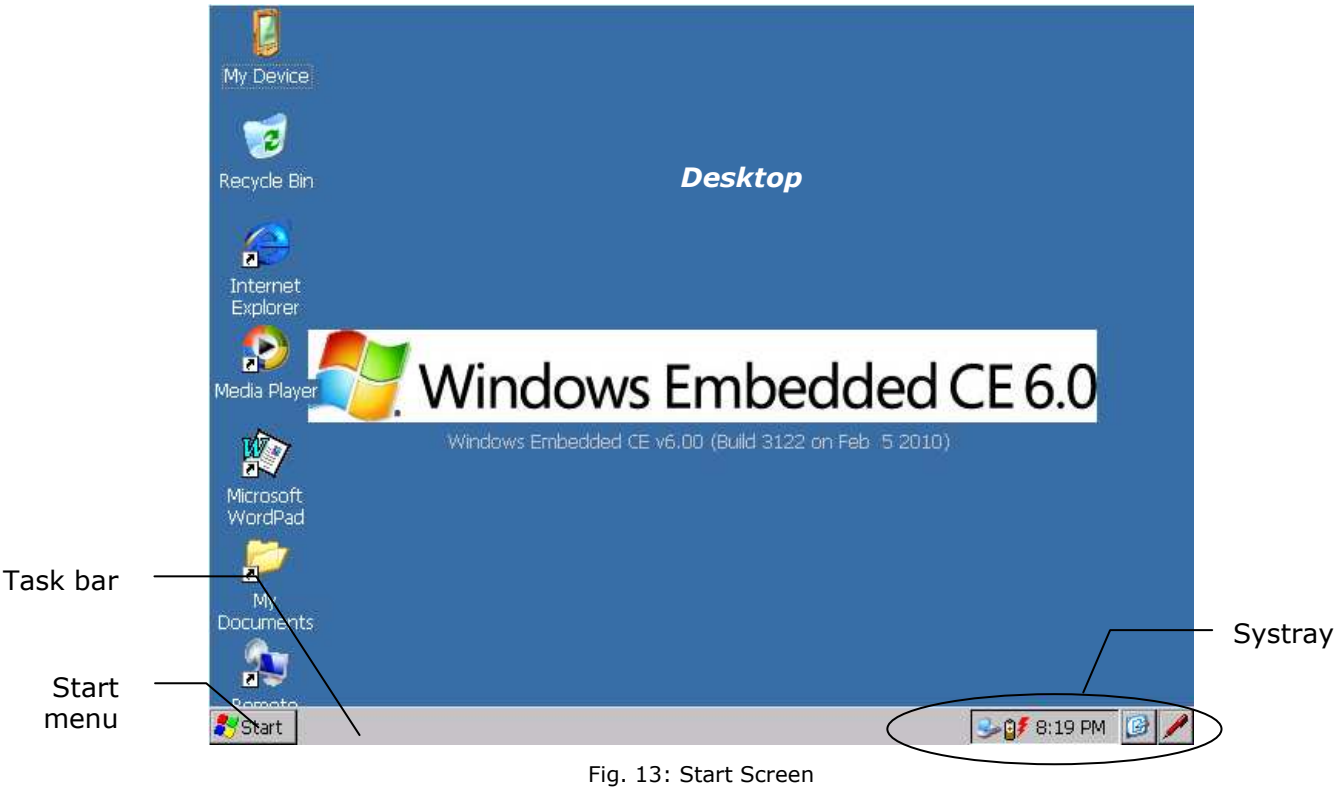


Fig. 13: Start Screen

4.2.2 Start Menu

Use the **Start** menu to call programs, change settings, manage favourites etc.

- In the task bar tap the symbol to open the **Start** menu.
- Tap and then select **Programs** to call further programs.
- Tap and then select **Settings** to perform further settings.

4.2.3 Workspace Symbols

The following list contains an explanation of the symbols which can usually be found on a Windows CE surface:

Symbol	Program	Description
	My Device	Displays the storage locations available on the mobile terminal e.g. Flash Storage as well as the network. Due to its link to the system control the **My Device** also provides for a direct access to the system management tools.
	My documents	This is your personal folder. Windows creates personal folders for each mobile terminal user.
	Recycle bin	Here, Windows stores deleted files. Files deleted by mistake may be restored.
	Internet Explorer	Searches web and WAP sites and downloads new programs and files from the internet.
	Word Pad	Creates new documents and displays Word documents created on the desktop PC for further editing.
Remoted...	**Remote Desktop**	TerminalClient to establish a terminal server connection

4.2.4 Taskbar

The taskbar is a special workspace component which can be used to switch between open windows and to access global commands and frequently used objects.

Symbols of the taskbar (examples):

Symbol	Description
	Tap one of these symbols in the taskbar (depending on the activated keypad) and select the keypad type or “Hide input panel”.
	To display all activated programs tap this symbol which can be found in the bottom right area of the taskbar.
	To minimise all open windows tap in the bottom right area of the taskbar and then select "Desktop".

4.2.5 Right Mouse Button Function

The right mouse button is used to open popup menus that support functions like Copying, Deleting, and Sending.

To call the functions of the right mouse button tap the element for which you want to perform the action and keep the stylus pressed.

The popup window of the right mouse button displays. Here, you can select the desired function.
If you do not wish to perform an action, tap any position outside the menu.

4.2.6 Showing/Hiding the Keyboard

Showing: Tap or in the taskbar and select the desired keyboard.

Hiding: Tap or in the taskbar (depending on the activated keypad) and select "Hide input panel".

4.2.7 Basic Settings

The basic settings are mainly performed on the **control panel**.

Launch: Start ⇒ Settings ⇒ Control Panel

Fig. 14: Control Panel

4.2.7.1 Calibrating the Touch Screen

This function is required to fine-tune the touch screen; the better the touch screen is calibrated the more precisely it will react.

When calibrating the touch screen note the following:

- Touch the cross and keep the stylus pressed at the middle of the cross until the cross moves to the next marking.
- Do not drag the stylus over the touch screen.
- Do not rest your hand on the touch screen!

1. Launch: Start ⇒ Settings ⇒ Control Panel
2. Double-tap the **Stylus** symbol.
   The Stylus "Properties window" appears.

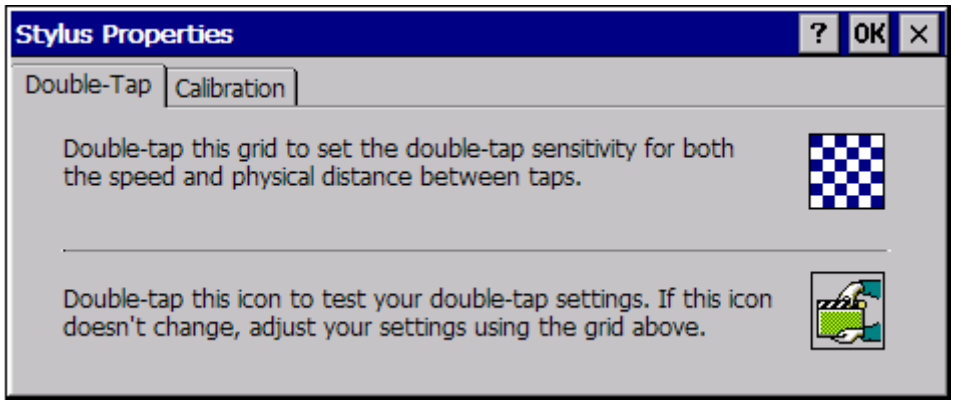

Stylus Properties
?
OK
Double-Tap
Calibration
Double-tap this grid to set the double-tap sensitivity for both the speed and physical distance between taps.
Double-tap this icon to test your double-tap settings. If this icon doesn't change, adjust your settings using the grid above.

Fig. 15: Stylus Properties

3. In the **Stylus Properties** window tap the **Calibration** tab.

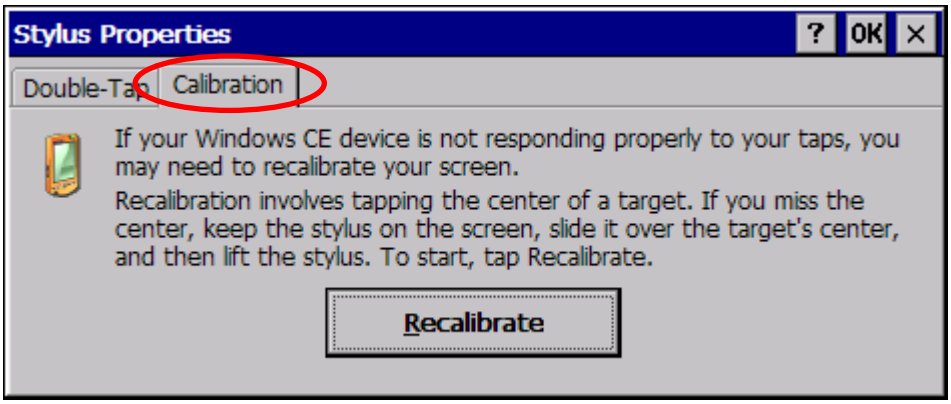

Stylus Properties
?
OK
Double-Tap
Calibration
If your Windows CE device is not responding properly to your taps, you may need to recalibrate your screen.
Recalibration involves tapping the center of a target. If you miss the center, keep the stylus on the screen, slide it over the target's center, and then lift the stylus. To start, tap Recalibrate.
Recalibrate

Fig. 16: Stylus Properties | Calibration

4. On the **Calibraton** tab select **Recalibrate**.
   The window for calibrating the touch appears.
5. Position the stylus in the centre of the cross displayed *(the more precise, the better the touch screen will respond later*) and hold the position until the cross changes its position.
6. Click [ENTER] to confirm.

7. Close the **Stylus Properties** menu.
8. Please answer the question with [Yes] if the settings should be stored persistently.

Over time, the touch screen, and thus its calibration, may reset somewhat. Should you notice that the touch screen does not respond as precisely as before, repeat the calibration procedure.

4.2.7.2 Setting the Brightness

1. Launch: Start ⇒ Settings ⇒ Control Panel
   The "Control Panel" menu appears.
2. In the **Control Panel** window double tap the following symbol:
   The "Backlight" window appears.

...

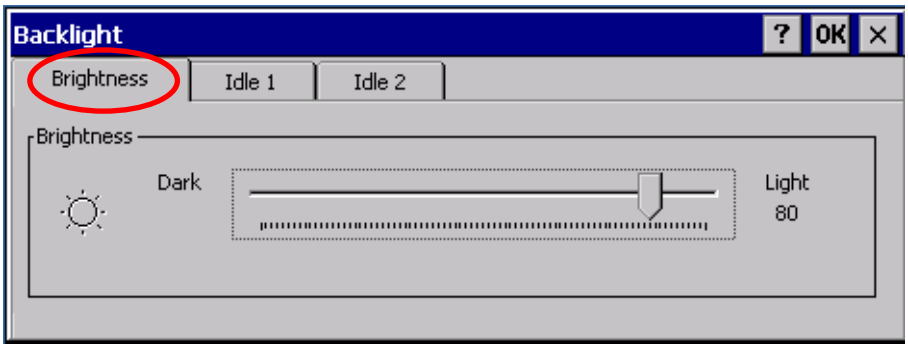


Fig. 17: Backlight

3. In this window, adjust the brightness of the backlight with the slider.

To conserve battery power, keep the brightness setting as low as possible.

4. Wechseln Sie dann auf die Registerkarte "Idle 1" (*Leerlauf Stufe 1*).

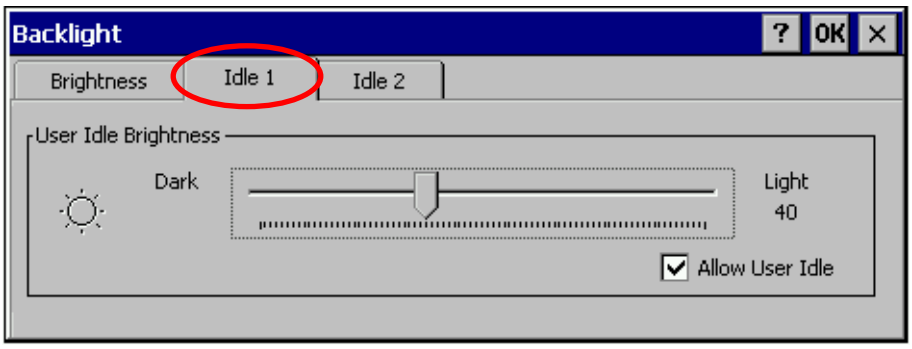


Fig. 18: Backlight | Idle 1

5. In this window, use the slider to set the brightness for the User Idle mode (see chapter 3.4.2.2).
6. If required, change to the "Idle 2" tab.
7. In this window, use the slider to set the brightness for the idle mode (see chapter 3.4.2.2).
8. Click [OK] to confirm the setting.

5. Further Functions and Settings

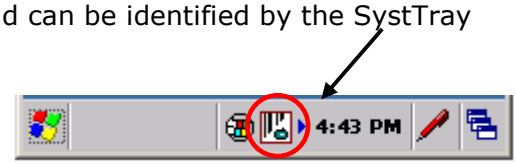
Start ⇒ Programs ⇒ Utilities …

5.1 Scan of Barcodes

Call **HWImagerTool** to test the scanner function:

Start ⇒ Programs ⇒ Utilities ⇒ HWImagerTool

HWImagerTool executes in the background and can be identified by the SystTray symbol.



HWImagerTool can be used to scan into any text field (e.g. WordPad).

Calmly and angularly hold the skeye.e-motion in the direction of the barcode to be scanned. A peep indicates that the entry of the barcode has been successful. The gap should amount to about 5-10 cm.

- **For more information please enquire for a separate HWImagerTool user guide.**
- **Programming interfaces for Imager/Camera are available**

5.2 SysBackup

Using **SysBackup** you can

- create
- restore and
- delete a backup.

NOTES:

⇒ **Backup data saved with SysBackup should only be restored in one image and on the same hardware under which they were created, as otherwise problems may occur.**

⇒ **If the option for asking the user is deactivated before the backup is created your are not prompted for confirmation after the booting process (see Fig. 19: SysBackup**

⇒ **).**

⇒ **SysBackup only stores and restores data but does not delete them. This might be important in the following szenario:**
When you need a cleaned up desktop you can delete the "My Computer" and "Recycle Bin" symbols using a setting in "ExplorerConfig" as the symbols are created on the desktop via RegistryKey. However, all other symbols on the desktop are created in the \windows\desktop directory using *.Ink-files. From there, they have to be deleted in the autostart directory using a corresponding batch file as after a cold start of the device these files are automatically stored at this location while booting and are not deleted when you restore a backup.

5.2.1 Calling SysBackup

Start SysBackup via

- **Start** ⇒ **Run** ⇒ ***SysBackup*** (enter SysBackup) or
- **Start** ⇒ **Programs** ⇒ **System** ⇒ **SysBackup**
  The "SysBackup" window appears.

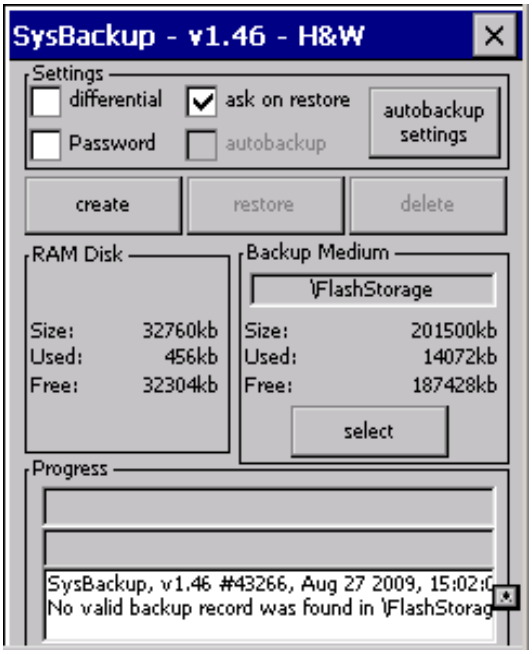
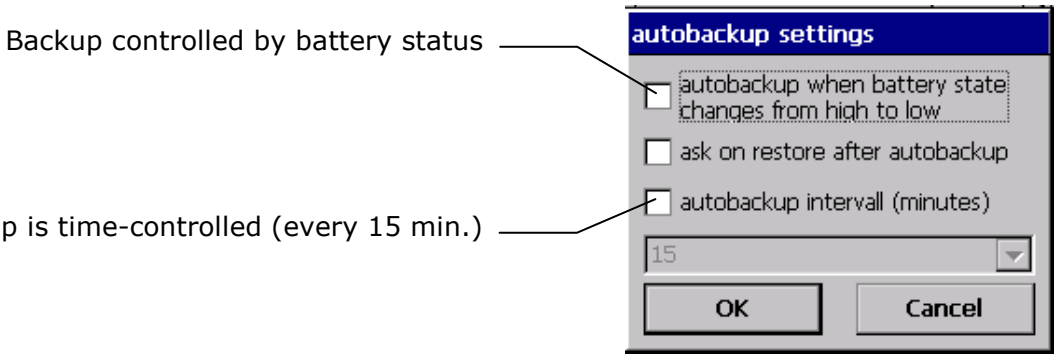


Fig. 19: SysBackup

Select [autobackup settings] to perform further settings:



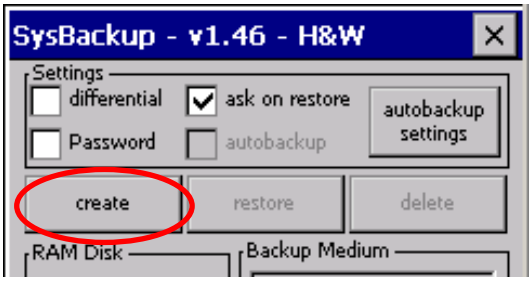
An automatic backup interval that is too short will have a negative effect on the performance.

5.2.2 Creating a Backup

Copy all important data to the "\FlashStorage" folder or its subfolders.

Everything must be backed up to ensure system settings are not lost after a battery has fully discharged or there has been a total shutdown.

1. Open the **SysBackup** program (see chapter 5.2.1).
2. In the **SysBackup** window tap [create].



The message "Execute backup?" appears.

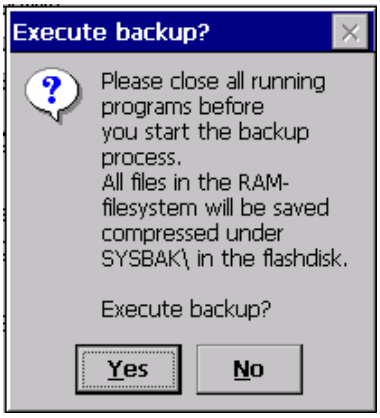

Execute backup?
Please close all running programs before you start the backup process.
All files in the RAM-filesystem will be saved compressed under SYSBAK\ in the flashdisk.
Execute backup?
Yes
No

Fig. 20: Execute backup?

3. Click [Yes] to confirm.
   The SysBackup is performed. After completion the following message displays:

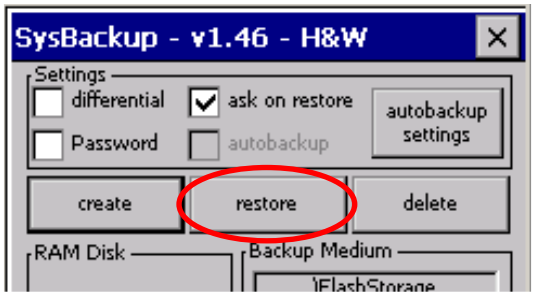
Fig. 21: Backup completed

4. Click [OK] to close the message.
5. Close the **SysBackup** window by clicking [Exit].

5.2.3 Restoring the Backup

Backup data saved with SysBackup should only be restored in one image and on the same hardware under which they were created, as otherwise problems may occur.

1. Open the **SysBackup** program (see chapter 5.2.1).
2. Select [restore].



The message "Execute restore?" appears.

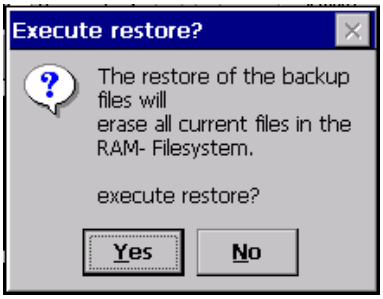


Fig. 22: Execute restore?

3. Click [Yes] to confirm the message.
   The backup will be imported.

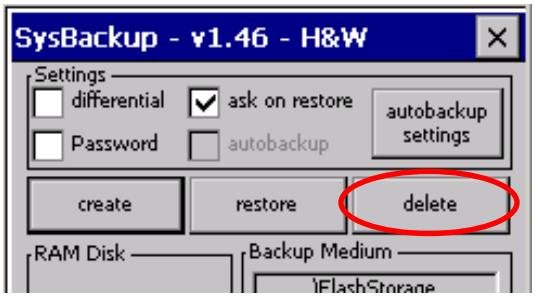
If there is no backup after a restart or if a backup is not required (e.g. after a warm start) the **Sysbackup** program searches all flash media (including the **FlashStorage** memory card) for the **autostart.exe** application. If such application is found it will be executed. There is an autostart mechanism independent from the registry as Sysbackup will always be automatically performed after the system start.

Please note:

All RAM data will be overwritten. All data will be updated to the state prevailing at the time of backup creation.

5.2.4 Deleting a Backup

1. Open the **SysBackup** program (see chapter 5.2.1).
2. Tap [delete].



The message "Erase backup files?" appears.

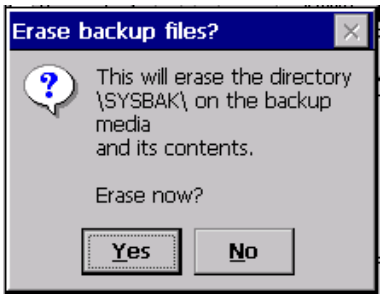


Fig. 23: Erase backup files

3. Click [Yes] to confirm the message.
The content of the \FlashStorage\SYSBAK directory will be deleted.

5.3 System Info

Launch: Start ⇒ Programs ⇒ Utilities ⇒ System Info

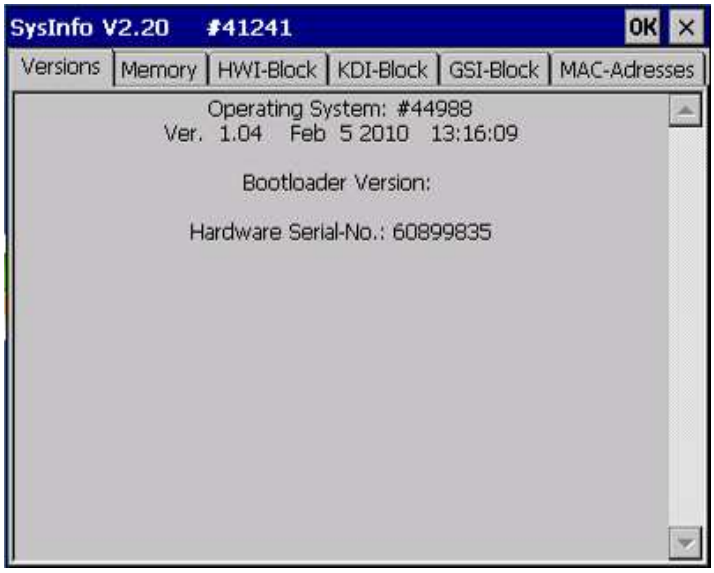


Fig. 24: SysInfo

- The **Versions** tab displays information on operating system, serial number, and battery parameters.
- The **Memory** tab displays information on physical memories, drives and data memories.
- Operating system and system programs (e.g. an update tool) can read the hardware configuration of the devices from the **HWI-Block** (Hardware Information Block).
- The **KDI-Block** (Customer information block) stores customer specific settings.
- The **GSI-Block** tab (device specific information block) contains device specific information.

Tap [**x**] to close the window.

SysInfo Report File

When calling the system information a report file is automatically created containing the same information as SysInfo.

When you tap [**OK**], the "Save as" dialog box opens up and you can save the file as "SysInfoReport.txt" (or any other name).

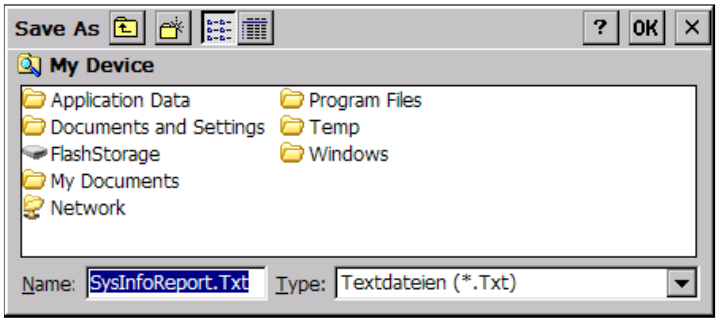
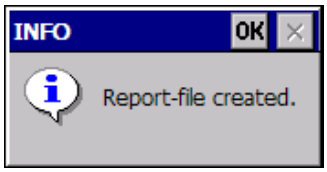


Fig. 25: Report File

The following message displays:



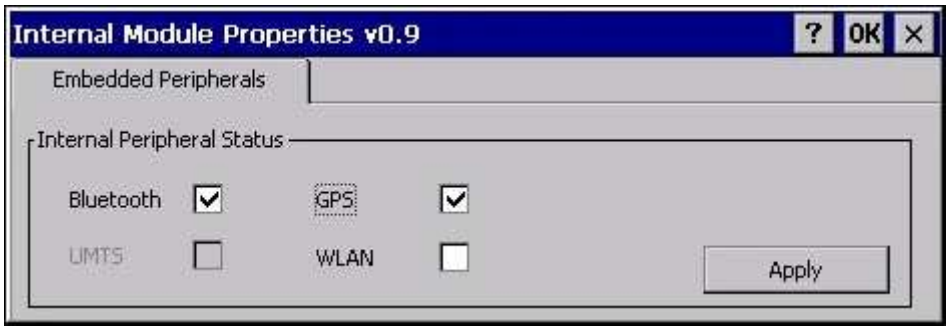
Please include the report file in case of a support request.

6. Radio

6.1 Embedded Peripherals

Start ⇒ Settings ⇒ Control Panel ⇒ Embedded Peripherals

Upon delivery, no module is activated by default. Depending on the equipment of your device, select the respective integrated module.



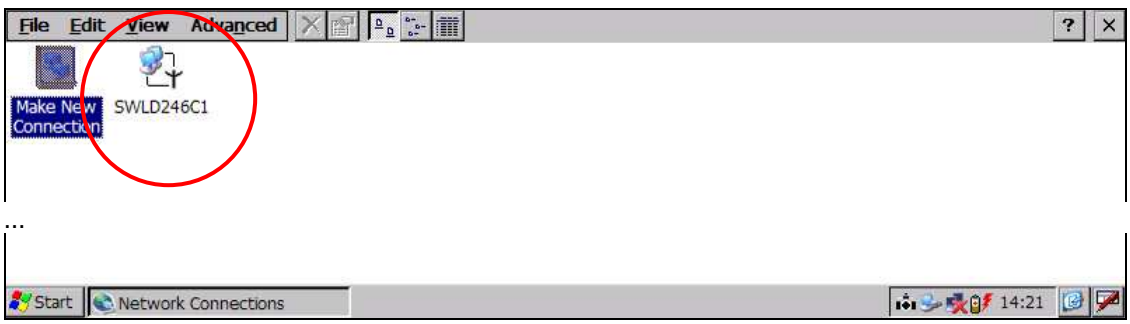
GSM/UTMS has to be activated via the "GSM Control" function (see also chapter 6.3, page 45).

6.2 Wireless LAN

6.2.1 WLAN Network Settings

1. Set up a Wireless LAN access point that provides access to a LAN or the Internet. Follow the instructions of your Wireless LAN access point documentation.
2. Launch on the skeye.e-motion: Start ⇒ Settings ⇒ Control Panel ⇒ Network and Dial-up Connections
   or
   Start ⇒ Settings ⇒ Network and Dial-up Connections

3. Double-tap the **WLAN module**.



4. Activate **Obtain an IP address via DHCP**. DHCP is activated by default.

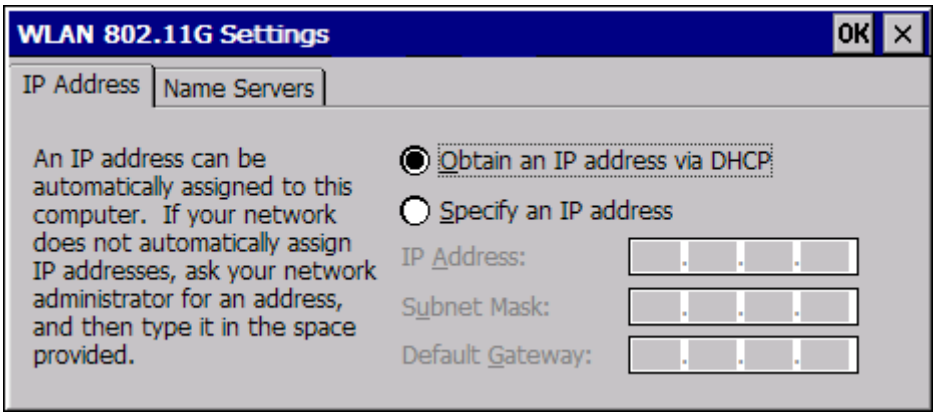
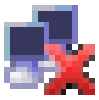

WLAN 802.11G Settings
OK
IP Address
Name Servers
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.
Obtain an IP address via DHCP
Specify an IP address
IP Address:
Subnet Mask:
Default Gateway:

Fig. 26: Wireless LAN | IP address

5. To manually set the IP addresses enter the addresses under “IP address”, “Subnet mask”, “Gateway” and tab “Nameservers”.
6. Tap [OK] for all queries to exit the dialog.

6.2.2 WLAN Configuration

1. Double-tap the network symbol in the Systray.
   The following window appears.



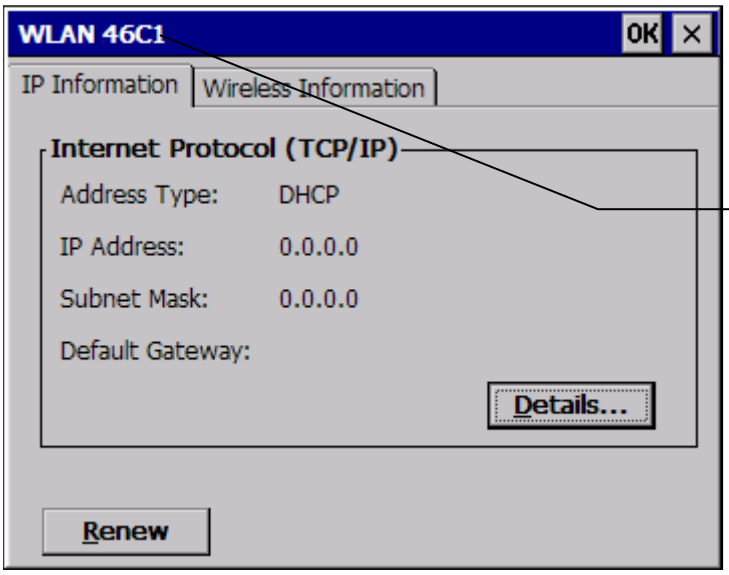


Fig. 27: Internet protocol (TCP/IP)

2. Tap the **Wireless Information** tab.
   The following tab appears:

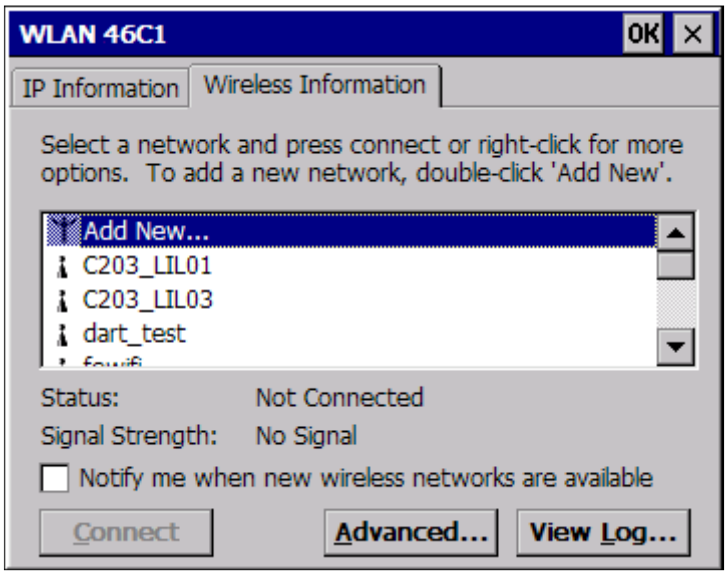


Fig. 28: Information on wireless

Symbol	Meaning
	Network not available
	Available network connected
	Network available

Fig. 29: Network symbols

3. On the **Wireless Information** tab select a network and double-tap the corresponding selection for further options.

   The following window appears:

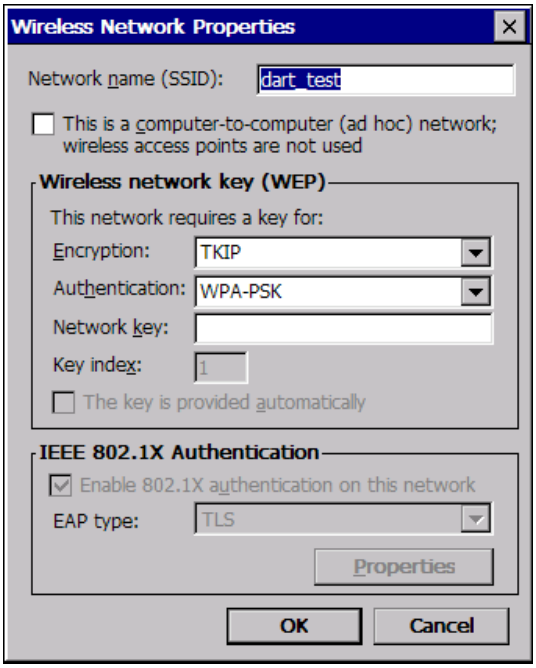


Fig. 30: Wireless – Properties

4. If you selected **Add new...** as the network on the **Wireless Information** tab fill in the fields.

   - **SSID** is the name of the network used to determine your Wireless LAN network. To ensure a communication between all network computers be sure to use the same SSID for all.
     For radio connection via access point: SSID is the address set in the access point.
   - When accessing via an access point, option **This is a computer-to-computer (ad hoc) network** is not activated.
   - **Encryption** is used to prevent unauthorised access to the network. Enter the *common network key (password)*. This ensures that data is encrypted when being transferred over the network.

- The encryption type is set under **Encryption**. Under **Authentication**, set the method used by a Wireless LAN client to logon to an access point (e.g. WPA).
- The **network key** and the **network name** (SSID) must be the same as used for the configuration of the access point.

5. Tap [OK] to close the window.
   The network symbol displays in the taskbar.

Be sure to protect your WLAN network. We recommend that you consult a specialist (e.g. system house).

6.2.3 Entering the Network ID

To get access to network resources enter information on the network identification.

1. Launch: Start ⇒ Settings ⇒ Control Panel ⇒ Owner
   The Owner Properties window appears.

2. Select the **Network ID** tab.

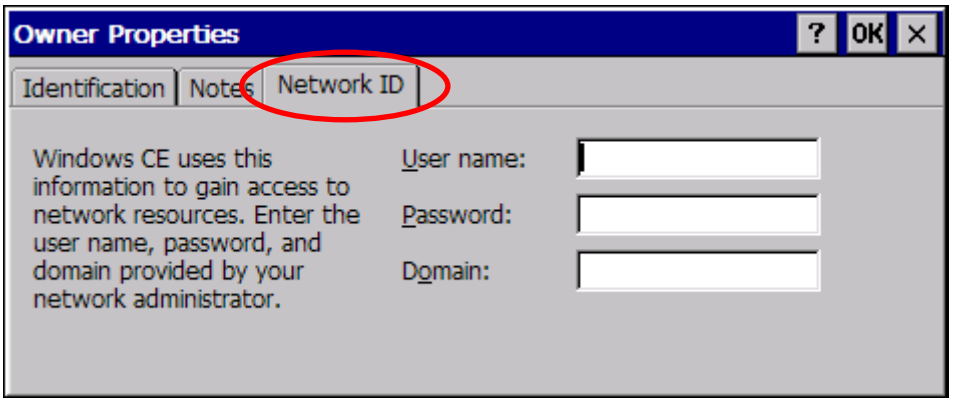


Fig. 31: Owner Properties | Network ID

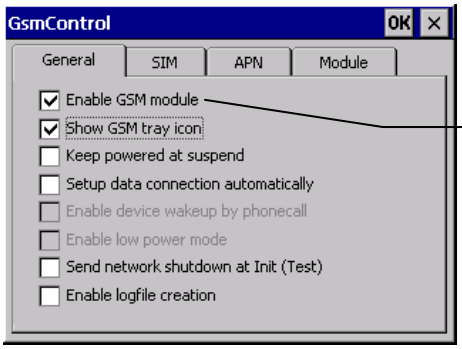
3. On the **Network ID** tab fill in the fields and click [OK] to confirm.

6.3 GSM Control

If you wish to dial into the internet, for example via GSM/GPRS/EDGE/UMTS/HSDPA, further settings are necessary.

First, please check if the GSM module is switched on.

1. Select: Start ⇒ Settings ⇒ Control Panel
2. Double tap **GsmControl**.



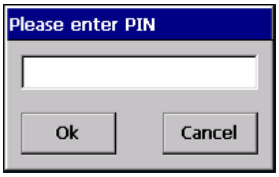
The check mark at "Enable GSM module" has to be set.

3. Tap [OK]. If not already so, the GSM module is now switched on and activated.

6.3.1 Establishing a connection

Before establishing a connection, please ask your provider for the connection settings and the APN (Access Point Name).

1. Insert the SIM card given by your provider into the SIM card slot of the mobile terminal (see also chapter 3.2).
2. Switch on the mobile terminal.
3. After start of the operating system the **PIN** of the SIM card is asked.



4. Enter the PIN given by your provider into the displayed keyboard.

With every new registration and after a suspend mode the PIN number is asked again. In case you wish to set the PIN number persistently, please follow the instructions in chapter 6.3.2.1.

5. If neither in the module nor in the registry an **APN** (Access Point Name) is entered, you will be asked to give the APN of the provider:

6. Double tap the active **GSM symbol** at the bottom of the Systray.

The following menu is displayed:

7. Select "Connect" to establish a connection via GPRS.

   The GPRS connection is established.

Further comment:

With "Connect" or "Disconnect" an Internet connection is activated or deactivated. The following symbols in the Systray explain the status:

= not connected

= connected

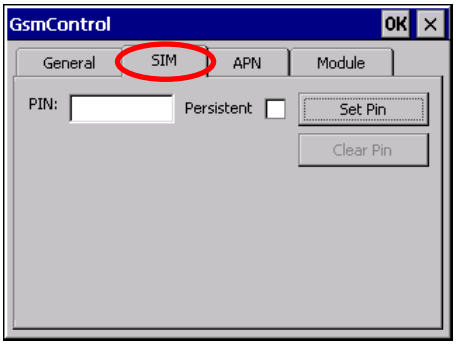
6.3.2 Further Settings

6.3.2.1 Persistent Setting of the PIN Number

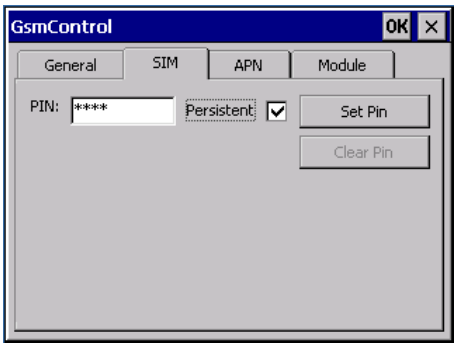
With every new registration and after a suspend mode the PIN number is asked. In order to avoid its entry each time, please proceed as follows:

1. Call: Start ⇒ Settings ⇒ Control Panel ⇒ GsmControl

2. Select index card **SIM**.



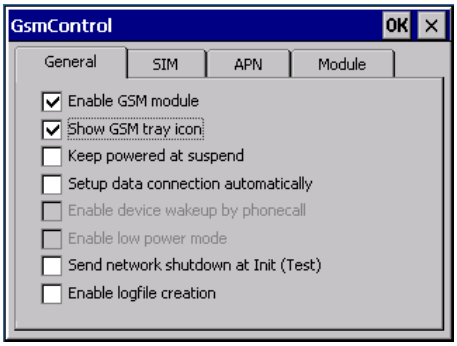
3. Enter the PIN and activate **Persistent**; thus, even after a reset the PIN is sustained and has not to be entered again.



4. Afterwards please tap [Set Pin] and then [OK].

6.3.2.2 General Settings

1. Call: Start ⇒ Settings ⇒ Control Panel ⇒ GsmControl
2. Select index card **General**.



The following settings are available:

Enable GSM module	Enable the GSM module
Show GSM tray icon	Show the GSM symbol in the systray
Keep powered at suspend*	Power supply of the GSM module also during suspend mode (battery life time). *See below*.
Setup data connection automatically	GSM connection is always started automatically
Send network shutdown at Init	Logout from provider network
Enable logfile creation	Generating a log file (under flash storage)

***Keep powered at suspend**

☐ Complete GSM switch-off at suspend

Advantage: Low power consumption at suspend

Disadvantage: When switching off the device a new login is necessary (waiting time). The PIN has to be entered repeatedly (exception: it is set persistently in the device, see chapter 6.3.2.1)

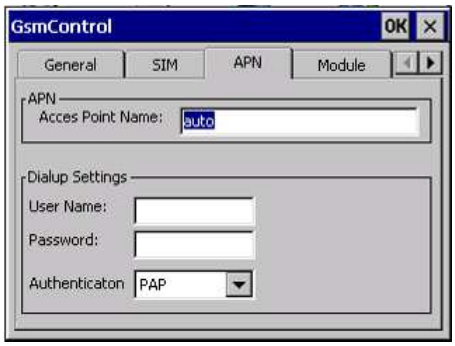
☑ GSM module is kept powered at suspend

Advantage: Short waiting time after switching-on. The device remains locked in (allows functions as tracking or Wakeup via call).

Disadvantage: Increased power consumption

6.3.2.3 APN

1. Call: Start ⇒ Settings ⇒ Control Panel ⇒ GsmControl
2. Select index card **APN**.



Here you can change the **APN** afterwards, e.g. in case of wrong entries or a new provider

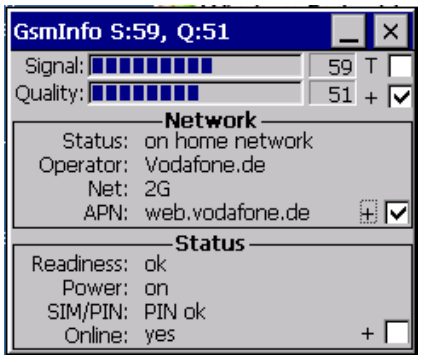
6.3.2.4 GSM Info

1. Call: Start ⇒ Programs ⇒ Communication ⇒ GsmInfo
   Some important information is displayed in this window.

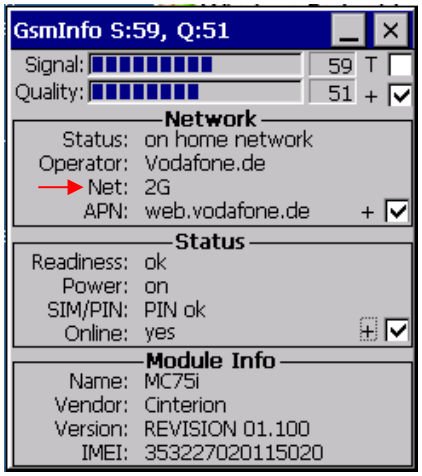
Here, signal volume and –quality of the GSM connection as well as further connection information are displayed.

If you set a checkmark at **T**, this information is always in the foreground.

Please set a checkmark in the box below right to select further items.



Please set a checkmark in the box below right to select further items



Data rates:

GSM	= 2G
GPRS	= 2.5G
EDGE	= 2.75G
UMTS	= 3G
HSDPA	= 3.5G

Depend on provider and net capacity.

6.4 GPS Module

You can start GPS with a terminal program of your own choice by activating the GPS module via COM4 with 4800 Baud.

GPS has to be activated via the "Embedded Peripherals" function (see also chapter 6.1, page 40).

7. USB Cradle/Car Cradle HW 51400

The USB or car cradle has a modular design. The base unit is the same for both functions. Depending on the place of action, the following is available: a desktop cradle (incl. desktop holder) or a car cradle with car cable set for use in a vehicle.

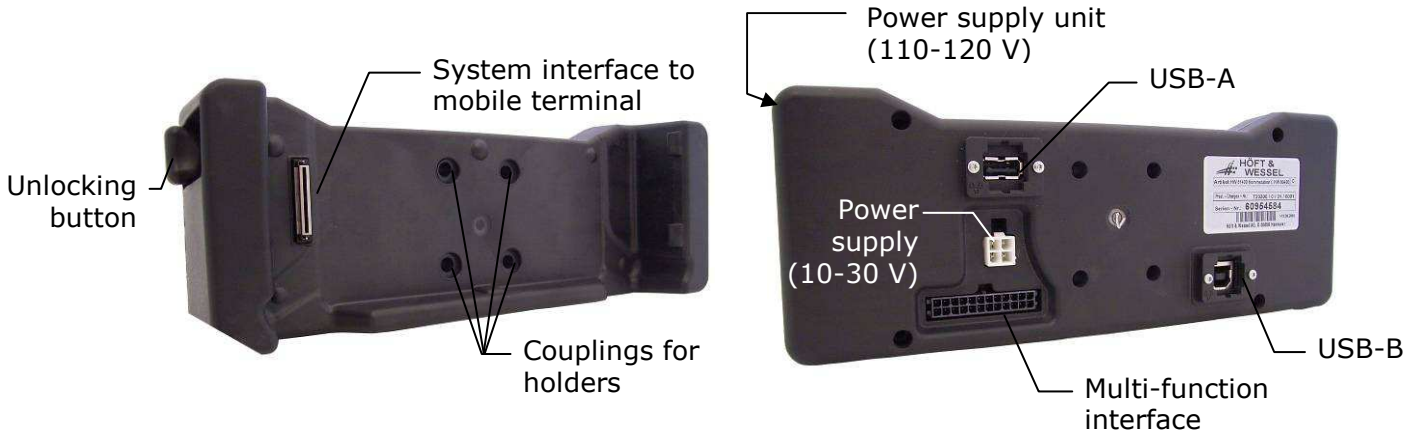


Fig. 32: USB and car cradle | front and rear view

Fig. 33: USB and car cradle

7.1 Technical Data

Casing: Shock resistant plastic, self-extinguishing according to UL94V-0

Slots: One slot for the mobile terminal including battery.

Interfaces:

- Connection for HW 1430 power supply, DC voltage input Mini DC Power Jack ∅ 1,3 mm, 12 V / 2,5 A
- Connection for power supply from vehicle 12V…24V vehicle electrical system voltage
- System interface to the mobile terminal
- USB device
  - USB 2.0
  - Connection to a PC to communicate via ActiveSync possible
- USB host
  - USB 1.1
  - Connection to USB devices: 500 mA, 5 V
- Multifunction interface
  - Video input for PAL-Composite/FBAS for rear view camera
  - Audio Line In / Line Out
  - Serial port interface (Rx, Tx, RTS, CTS) RS232 level
  - Power supply for external accessory 5V/200mA 12V/100mA

Ambient conditions:

- Operate only indoors or Inside a vehicle
- Ensure good ventilation is available
- Operating temperature: -25 °C bis +60 °C
- recommended range: 0 °C bis +40 °C
- Storage temperature: -25 °C bis +60 °C
- Humidity: up to 85 % (non-condensing)

Rules and Standards:

- CE conformity
- ElektroG and RoHs conformity

Dimensions:

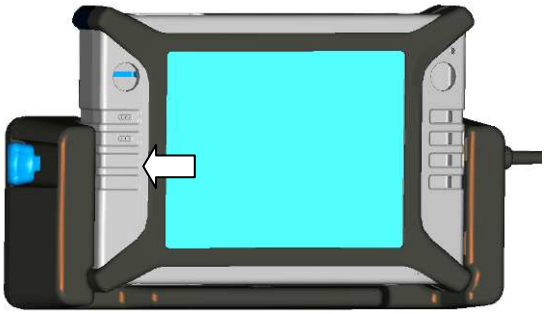
- about L 220 mm x B 85 mm x H 57 mm (no desktop or car holder)

Weight:

- about 410 g (no desktop or car holder)

7.2 Placing the skeye.e-motion into the Cradle

With the right edge first, insert the mobile terminal into the USB or car cradle.



Then, press the left edge of the terminal into the cradle until it audible engages.

Fig. 34: Placing the skeye.e-motion into the cradle

7.3 Connecting the USB Cradle to the Desktop PC

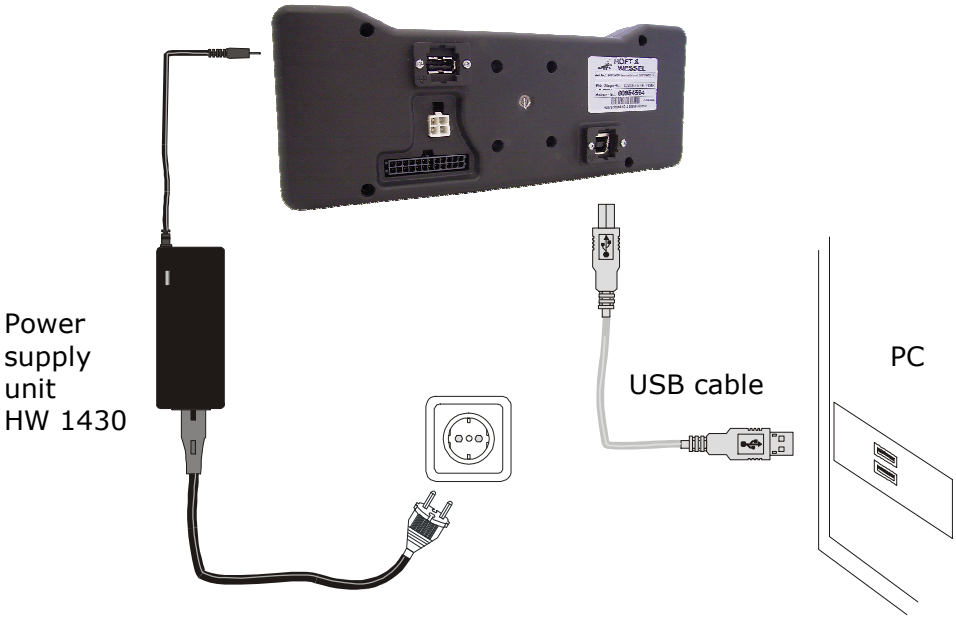


Fig. 35: Connecting the USB cradle to the desktop PC

USB cradle: USB device ⇔ PC: USB host

7.4 Communication skeye.e-motion ⇔ PC

Install on your PC the program for data synchronisation of a PC with a mobile device:

- Microsoft ActiveSync ⇒ for Windows XP
- Windows Mobile Device Center (WMDC) ⇒ for Windows Vista
- Device Stage ⇒ for Windows 7

These programs are available for free via www.Microsoft.com/getstarted. With these programs you can handle the following tasks (between your desktop PC and your skeye.e-motion):

- Add and remove programs on your skeye.e-motion
- Synchronise files
- Transfer and copy files

7.5 Connection of the Cradle in the Vehicle

The fixed installation of the cradle must only be performed by experts in the field of vehicle electronics.

Power connection (12 V or 24 V) must only be established to a secured circuit. The supplied fuse (in the fuse holder or car connector plug) must be additionally used.

If you use a car socket or cigarette lighter jack to supply the voltage, ensure for a correct polarity.

It is possible that there are special car types where the positive terminal and not the negative terminal is connected to the vehicle chassis. In this case, the cradle must not be used without any further action.

The input signal of the connection cable for the power connection is "Ignition Sense". This way you can - when the vehicle is at a standstill - activate the automatic switch to the energy-saving mode of the skeye.e-motion or switch on the skeye.e-motion at the begin of the journey.
These functions require additional software.

If you do not use it due to installation reasons, you have to connect the wire for "Ignition Sense" together with the positive wire.

Connection cable with 4-pole connector				
Wire	Signal	Connection via Vehicle plug	Fixed connection Permanent voltage and ignition	Fixed connection
black	Ground	Ground (external pole)	Ground (terminal 31)	Ground (terminal 31)
red	+ 12/24 V supply	Positive (middle)	Permanent positive / fuse (terminal 30)	Positive / Fuse (terminal 15, 30 or 30r)
brown	Ignition sense	Positive (middle)	Positive, via circuit switched on by ignition lock (terminal 15)	Positive / Fuse (terminal 15, 30 or 30r)

In the standard configuration, the "Ignition Sense" signal switches on the auxiliary outputs 5 V and 12 V at the multifunction plug. Depending on the connection cable at the multifunction plug they may supply small consumers (e.g. TMC receiver) with power.

Power Consumption:

Voltage area	
10 to 32 V	Regular working area
below 10 V	Restricted battery charging, supply via integrated battery
above 34 V	Overvoltage protection active, supply via integrated battery
max. 44 V	Temporarily allowed overvoltage
above 44 V	Protection against overvoltage pulses

Power consumption typical values	
Cradle only	About 13 mA at 12 V About 19 mA at 24 V
Holder with skeye.e-motion in suspend, battery charged, UMTS module off	About 19 mA at 12 V About 23 mA at 24 V
Skeye.e-motion in operation, battery fully charged	About 350 mA at 12 V About 200 mA at 24 V
Skeye.e-motion in operation, battery charges	Max 2.5 A at 12 V Max 1.25 A at 24 V

Upstream power supplies have to supply about 3 A for a short time (consumer connected to the cradle not included).

8. Technische Daten

Casing:	Rugged case, protection level IP54, drop spec 1,2 m
Processor:	CPU Marvell PXA 320, 806 MHz
Memory:	up to 256 MB DDR-RAM, up to 512 MB Flash
Display:	5,7 " VGA colour TFT (640 x 480) with touchscreen, sunlight readable
Keyboard:	4 freely allocable function keys, 1 navigation key
Further equipment:	• Camera 2 MP, autofokus, barcode decodierung function or 2D-Imager • Video input for connecting a rear-view camera
Communikation:	• GSM/GPRS/EDGE/UMTS/HSDPA (3.5G) • Wireless LAN IEEE 802.11 b/g • Bluetooth 2.0+DER, Class 2 • GPS module
Battery:	Voltage: 7.4 V Current: 3400 mAh
Interfaces:	• USB 1.1 or 2.0 Host • USB 1.1 or 2.0 Device • RS232 (TxD, RxD, RTS, CTS) • Micro-SD Card Slot
Temperature Range:	Operating temperature : –10 °C bis + 50 °C
Size	180 mm x 122 mm x 30 mm
Weight:	approx. 780 g (including battery)
Rules and Standards:	• CE Marking • German ElektroG and RoHS conformity

9. Troubleshooting

9.1 Reset via Software

If an application does not react use the software to perform a restart.:
Start ⇒ Programs ⇒ System ⇒ Reset

The system restarts. Unsaved data will be lost.

After a software reset, all data and settings stored on your skeye.e-motion are still available.

9.2 Reset via Hardware

Use the Reset key, when the touch screen does no longer react or when you cannot switch on the skeye.e-motion.

Fig. 36: skeye.e-motion, Reset key

Use a bent up paper clip to initiate the reset.

Press the reset key carefully with low expenditure of force.

After a hardware reset, all data and settings in RAM are deleted from your mobile terminal. Data in FLASH are not deleted.

Manufacturer's Address

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